| Index of Claims | Application/Control No. |
|-----------------------------|-------------------------|
| | 10/783,091 Examiner |
| | Tuyen To |
| √ Rejected – (Through Cance | numeral) N Non-Elected |

Restricted

Allowed

| ol No. | Applicant(s)/Patent under Reexamination MURPHY ET AL. | | | | | |
|--------|--|----|--|--|--|--|
| | MURPHY ET AL | | | | | |
| | Art Unit | | | | | |
| | 2825 | TT | | | | |

| N | Non-Elected | [| Α | Appeal |
|---|--------------|---|---|----------|
| 1 | Interference | | 0 | Objected |

| The color of the | | | ate | D | | | | im | Cla | Г | Claim Date | | | | | | | ٦ | Date | | | | | | | | | Claim | | | | |
|--|--|-----------------|-----------------|------------------------------|-----------|------------|----------|----------|----------|-----|------------|--------------|--|--|--------------|--|--|----------|--------------|----------|--|----------|---|----------|----------|----------|-----------------|-------------------|----------|-----|-----|-------------|
| 1 V | $\neg \neg \neg$ | T | Ť | Ť | | П | \neg | | <u> </u> | | | | | | | | | | \vdash | | | \dashv | \neg | Т | Т | Ť | Ť | | | | | |
| 1 V | | | | - | l | - [| ı | na | ā | | | | | | | | | | 8 | nal | - - | | ı | - 1 | | | - 1 | - 1 | | 8 | nal | |
| 1 V | | | ı | | ĺ | 1 | - { | Ē | ᇤᅵ | | | | | | | | | | 24 | į | :≘ | ŀ | 1 | - 1 | | | 1 | | | 24/ | įġ | Ë |
| 2 V | | | ł | | | | 1 | 0 | _ | | | | | | | | | | 5 | 0 | _ | | - | - | | - | - 1 | | | 5 | ō | |
| 2 V | - | | ヿ | \dashv | \neg | \neg | 7 | | | . | | | | | | | Н | - | 6 | 51 | | ┪ | 十 | -+ | \dashv | \dashv | + | \dashv | \vdash | J | 1 | |
| 3 V | -H | \neg | 寸 | | | \neg | 一 | | | | | | _ | | | | Н | | | | | -1 | + | 十 | \dashv | \dashv | \dashv | - | Н | | | |
| 4 V | | _ | \neg | T | \exists | | \neg | | | l | Г | | | | | | Н | \vdash | 0 | | | ┪ | + | 十 | + | \dashv | \dashv | \neg | | | | |
| 55 V | $\neg \neg \neg$ | | \neg | | | | \neg | | | Ì | | | | | | | П | _ | 0 | | | 7 | 十 | 十 | + | 7 | 十 | - | H | _ | | |
| SE O O | | | \neg | T | T | | | | | l | | | | | | | Н | _ | 6 | | _ | ┪ | \top | 寸 | -+ | \dashv | + | | Н | _ | | - |
| 10 | | | \neg | T | ヿ | | | | | | | | | | | | | | 0 | | | _ | \top | 7 | \dashv | 7 | | \neg | Н | | | |
| SS O O | | | \Box | | | | | | | | | | | | | | П | | 0 | | | 7 | 十 | \dashv | \dashv | 一 | _ | | П | | | |
| S | | | \Box | | | | | | | lΓ | | | | | | | | | 0 | | | \neg | \top | 寸 | \neg | 寸 | _ | \neg | | | | |
| 10 V | | | | | | | | | | | | | | | | | | Г | 0 | 59 | | 7 | \top | \dashv | 寸 | \dashv | 7 | \neg | | | | |
| 11 0 | | | \Box | | | | | | | | | | | | | | | | 0 | | | 7 | 十 | 寸 | | ┪ | 寸 | \neg | | | _ | _ |
| 12 O | | | | | | | | | | ΙΓ | | | | | | | | | 0 | 61 | | 7 | \top | 寸 | \dashv | 一 | \neg | | | | | |
| 13 0 | | | | \Box | | | | | | | | | | | | | | | 0 | | | \neg | 十 | _ | _ | 7 | | $\vdash \uparrow$ | П | ō | | |
| 14 0 | | | | | | | | | | | Г | Γ | | Γ. | | | | П | 0 | | | ┪ | 十 | 十 | _† | 十 | $\neg \dagger$ | H | Н | ō | | |
| 15 0 16 0 0 0 65 0 66 0 0 17 0 0 18 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | Г | Г | 0 | | | 7 | \top | \dashv | 十 | 寸 | 7 | \vdash | П | ō | | - |
| 16 0 | | | | | | | | | | | | | | | | | | | 0 | | | 7 | \top | \neg | _ | 7 | _ | \vdash | | | | |
| 17 | | | | | | | | | |] [| | | | | | | | | 1 | 66 | | ┑ | \top | \top | _ | \neg | $\neg \uparrow$ | | \Box | 0 | | |
| 18 0 | | | _[| | | | | | | | | | | L | | | | Π | 1 | | | | 丁 | 寸 | _ | _ | 寸 | | | | | |
| 19 0 20 0 70 71 7 | | | \dashv | | | | | | |] [| | | | | | | | Г | V | 68 | | 7 | \neg | T | \neg | \neg | | | Г | 0 | | - |
| 20 | | | | | | | | | |] [| | | | Г | Г | | Г | | 1 | 69 | | ╗ | \neg | 丁 | 寸 | \neg | 寸 | П | | ō | | |
| 21 0 | | | | | | | | | |] [| | | | | | | | П | 1 | 70 | | _ | \top | 丁 | \neg | 寸 | _ | \Box | 1 | | | |
| 72 0 | | | | | | | | | | | | | | | Г | Г | | Г | V | | | 7 | | \neg | T | ヿ | _ | П | | o | | |
| 23 0 | | | \Box | | | | | | |] [| | | | | | | | Γ | 0 | 72 | | | \top | \neg | \neg | \neg | ┪ | | | | | |
| 74 \(\sqrt{1} \) | | | \perp | | | | | | | | | | | | П | | Π | П | 1 | 73 | | \neg | \neg | | \neg | ヿ | \neg | \Box | | 0 | | |
| 25 0 | | | | | | | | | |] [| | | | Г | | | Π | | 1 | | | | \top | _ | | 寸 | \dashv | П | - | | | _ |
| 26 0 | | | | | | | | | |] [| | | | | | | | | 1 | 75 | | 7 | ヿ | \neg | 寸 | | 7 | \Box | | ō | | |
| 27 0 28 0 29 0 30 0 30 0 31 0 32 0 33 4 4 34 4 34 4 4 0 44 5 0 44 5 0 44 7 0 | | | | | | | | | |] [| | | | | | | | | V | | | 7 | 十 | \neg | 寸 | | | П | | ō | | |
| 28 O | | | \Box | | | L | | | |] [| | | | | | | | | Т | | | | \top | | T | | | П | T | 0 | | |
| 29 0 | | | \Box | | | | | | |] [| | | | | | | | | | | | _ | \neg | | \neg | 寸 | | П | T | | | |
| 30 O 31 O 32 O 33 V 34 V 34 V 35 V 37 V 38 V 39 O 39 O 39 O 34 O V 41 V 41 V 44 V 44 O 44 O 44 O 44 O | | | \Box | | | | | | |] [| | | | | | | | | T | | | | \neg | | | | 一 | П | | | | |
| 31 O | | | \sqcup | | | | | | |] [| 匚 | | | | | | | | Ι | | | | \top | | | 一 | 1 | | \Box | | | |
| 32 O | | \sqcup | ᆜ | | | | | | |] [| | | 匚 | | L | | | | $oxed{\Box}$ | | | | | \neg | \neg | \neg | 7 | | | 0 | | |
| 33 V 34 V 35 V 36 V 37 V 38 V 39 O 40 V 41 V 42 V 42 V 43 V 44 O 45 O 46 O 47 O | | \perp | ᆜ | | _ | | | | |] [| | | | | 匚 | | \Box | | I^{-} | | | | \Box | | | \neg | | \sqcap | | 0 | | |
| 34 | | | | | | | | | |] [| | | | | | | | | | | | | | | | \neg | \neg | \Box | | 1 | | |
| 35 V 36 V 37 V 38 V 39 V 39 V 39 V 39 V 39 V 30 V 30 V 30 | | | \square | | | | | | |] [| | | \Box | | | | | | Π | | | | \top | | | | | П | I^{-} | 1 | | |
| 36 V 37 V 38 V 38 V 39 V 39 V 39 V 39 V 39 V 39 | | $\sqcup \bot$ | \sqcup | | <u> </u> | <u></u> | _ | | |] | | <u>L</u> | $oxedsymbol{oxed}$ | تــــا | | Ĺ | \Box | | | | | | I | | | | | | | 1 | | |
| 37 V 38 V 39 O 39 O 30 O 30 O 30 O 30 O 30 O 30 O | | \vdash | \sqcup | Ш | <u>_</u> | <u></u> | | | |] [| L | | \Box | 匚 | | L | | | | | | | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | | | 1 | \Box | | | 1 | | |
| 38 V | | Ш. | | Ш | <u> </u> | <u></u> | _ | | |] | _ | $oxed{oxed}$ | 1_ | L | _ | | \perp | | \perp | | | | \Box | | | | | | | 1 | 37 | |
| 40 V | | | | | <u> </u> | <u> </u> | <u> </u> | | | ↓ | _ | ļ | ــــــــــــــــــــــــــــــــــــــ | 乚 | _ | | <u> </u> | | | | | | \Box | | | | | | | | | |
| 40 V | | Щ. | | Ш | <u> </u> | <u>_</u> | <u> </u> | | |] | <u>_</u> | _ | <u>_</u> | ــــــــــــــــــــــــــــــــــــــ | | L | | | | | | | \Box | | | | | | Τ | 0 | 39 | |
| 41 V | | _ _ | oxdot | Щ | \vdash | <u> </u> | <u> </u> | | | 1 | 1 | ↓ | $oxed{oxed}$ | <u> </u> | 1_ | | | | | | | | $oldsymbol{ol}}}}}}}}}}}}}}}$ | | \Box | | | | | V | 40 | |
| 42 V 43 V 44 O 45 O 46 O 47 O | | _ _ | | Ш | <u> </u> | <u> </u> | <u> </u> | | | 1 | ↓_ | 1 | 丄 | _ | _ | _ | 上 | 1 | \perp | <u> </u> | | | | \Box | \Box | | | | | I | 41 | |
| 43 V 44 O 45 O 46 O 47 O 47 O 48 O 47 O 48 O 47 O 48 O 48 | \vdash | \vdash | \sqcup | Щ | <u> </u> | ! — | <u> </u> | | | 1 | <u> </u> | _ | _ | \perp | L | L | | | | | | | \Box | | | | | | | Y | 42 | |
| 45 0 46 0 47 0 | \vdash | - | ⊢ | Щ | <u> </u> | ! | <u> </u> | <u> </u> | | 1 | 1 | ↓_ | 1_ | | ↓_ | $oxed{oxed}$ | | L | \perp | | | _] | $oldsymbol{\bot}$ | | \Box | | | | | 1 | 43 | |
| 46 O | - - | <u> </u> | \sqcup | <u> </u> | _ | <u> </u> | ⊢ | <u> </u> | | ↓ | \perp | _ | 1_ | 1_ | 1 | L | $oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | | \perp | | | | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | | | | | | | | | |
| 47 0 | | \vdash | $\vdash \vdash$ | <u> </u> | <u> </u> | <u> </u> | | | | 4 | 1 | 1 | ↓_ | \perp | | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | <u> </u> | | \perp | | | | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | | | | | | | | 45 | |
| | | - | Ш | <u> </u> | <u> </u> | | L | | | 1 | | 1_ | \perp | 1_ | \perp | | | | \perp | | | | \Box | | | | | | | | 46 | |
| | | $\vdash \vdash$ | \sqcup | <u> </u> | <u> </u> | _ | ┡ | L | | 1 | 1_ | 1_ | \perp | 1_ | 1 | _ | | 1_ | \perp | | | | $oxed{\bot}$ | | | | | | | 0 | 47 | |
| 48 O | \vdash | | Ш | $ldsymbol{ldsymbol{\sqcup}}$ | L_ | <u> </u> | <u> </u> | | | ↓ | _ | 1_ | 1 | _ | 上 | <u> </u> | ┖ | | \perp | | | | \Box | | | | | Ι. | | 0 | 48 | |
| 49 0 | | \vdash | \sqcup | | _ | _ | ļ., | | |] | 1_ | 1 | \perp | L | L | | \perp | | | | | | \Box | | | | | | | | 49 | |
| 50 O | | | Ш | | <u> </u> | <u> </u> | 丄 | L | |] | | | | 1 | \perp | L | | | \perp | | | | | | | | | | | | 50 | |